



CITY OF LODI COUNCIL COMMUNICATION

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AGENDA TITLE: Approve Plans and Specifications and Authorize Advertisement for Bids for Asphalt Rubber Cape Seal, Various Streets, **2007**

MEETING DATE: May **16,2007**

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Approve the plans and specifications for the Asphalt Rubber Cape Seal, Various Streets, 2007 project and authorize advertising for bids.

BACKGROUND INFORMATION: This project includes the application of an asphalt rubber cape seal on various City streets. The streets were identified through the City's Pavement Management System based on the condition of the street pavement and the traffic load. The attached exhibits show the streets that will receive the cape seal.

The Asphalt Rubber Cape Seal, Various Streets, 2007 project consists of the rehabilitation and resurfacing of various City streets with a layer of an asphalt rubberized chip seal followed by a layer of slurry seal on top. The combination of the asphalt rubberized chip seal and the slurry is commonly known as a cape seal. An asphalt rubberized cape seal provides a cost-effective alternative to a more costly asphalt overlay to extend the life and rehabilitate deteriorated roads and streets within the City. This new method of pavement rehabilitation was used for the first time in Lodi last year, and staff would like to continue using it as another method of maximizing limited street maintenance resources.

While a slurry seal only seals the road and provides a new wearing surface, the asphalt rubberized cape seal provides added strength, stability and crack reduction benefits similar to the performance benefits of an overlay but at a much lower cost.

There will be temporary street closures on the day of the asphalt rubberized chip seal and again on the day of the slurry seal. Immediately after the placement of the asphalt rubberized chip seal, the contractor will use rollers to seat the chips into the asphalt oil. The contractor will then provide a minimum of four sweepings to pick up the loose chips. Two days after the placement of the chip seal (but no more than seven days later) the contractor will again close the street for the slurry seal. The contractor will work with our Street Division in providing advance notification to the public regarding the dates and times of these temporary closures. Residents will receive a notice two weeks prior to the chip seal work and a door hanger will be distributed **48** hours before the contractor starts work on each street.

The plans and specifications for this project are on file in the Public Works Department. The number of streets included in this project comprises the near-minimum square yardage to achieve economy-of-scale objectives. Approximately 65,000 square yards of City streets are included in this project. Asphalt rubber cape seal contractors require at least 30,000 square yards of streets before they will bid on a

APPROVED: 
Blair King, City Manager

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Various Streets. 2007

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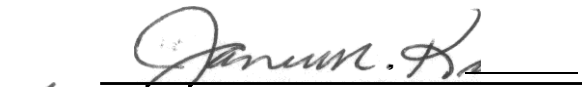
project. A project with a minimum of 60,000 square yards of asphalt rubber cape seal should provide the City with prices that are approximately \$5 per square yard.

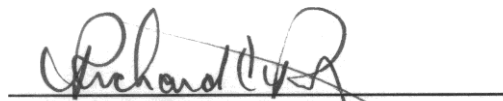
FISCAL IMPACT:

The money for this project will be coming from the Street Fund. By investing in the recommended overlay project, significant capital dollars will be saved by extending the useful life of the pavement and foregoing more costly rehabilitation.

FUNDING AVAILABLE:

Project Estimate **\$400,000**
Budgeted: 2006/07 fiscal year


for Kirk Evans, Budget Manager


Richard C. Prima, Jr.
Public Works Director

Prepared by Wesley K. Fujitani, Senior Civil Engineer

Attachments

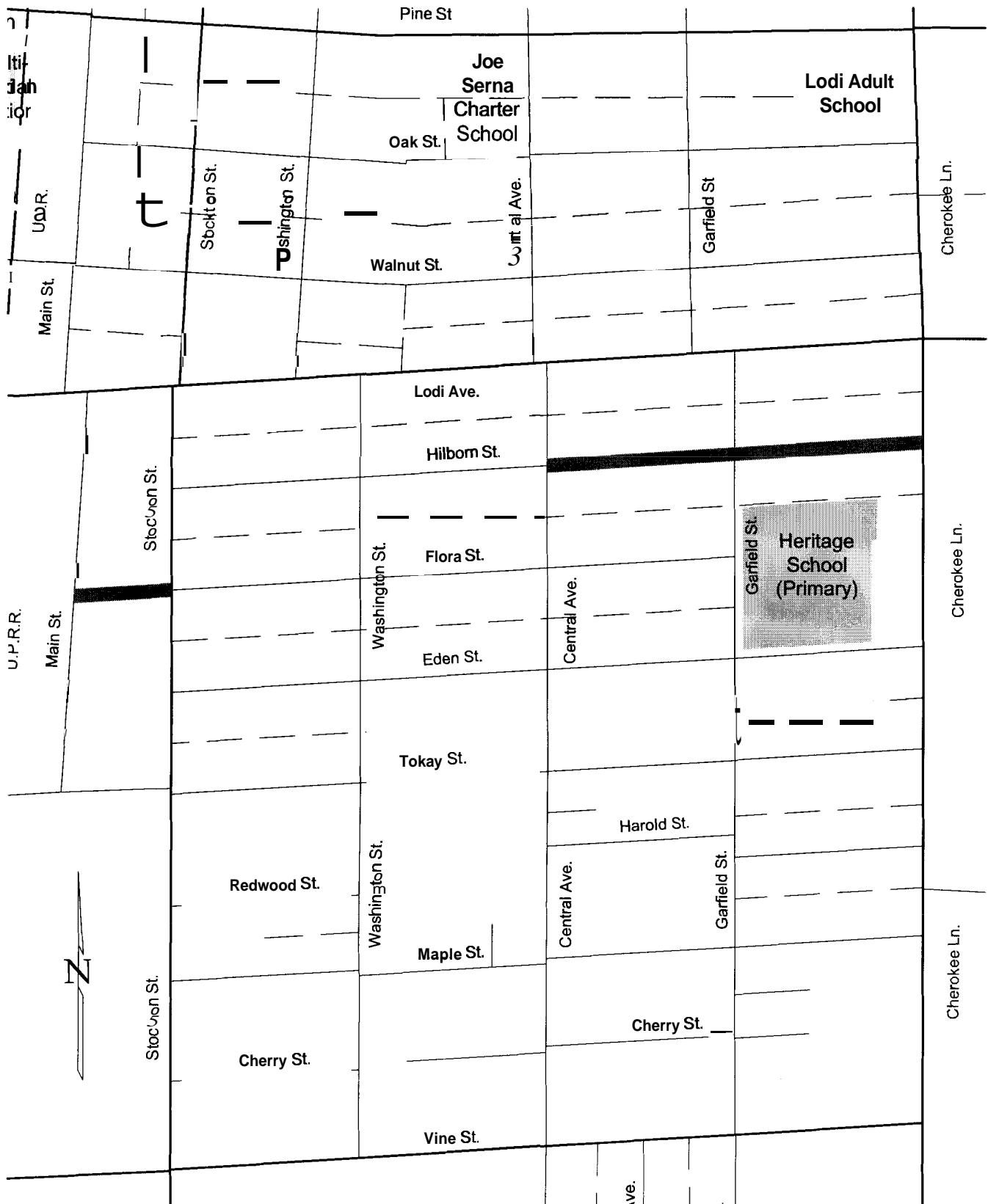
cc: Purchasing Officer
Streets and Drainage Manager



CITY OF LODI

PUBLIC WORKS DEPARTMENT

CHIP SEAL AREA 1 HILBORN FLORA

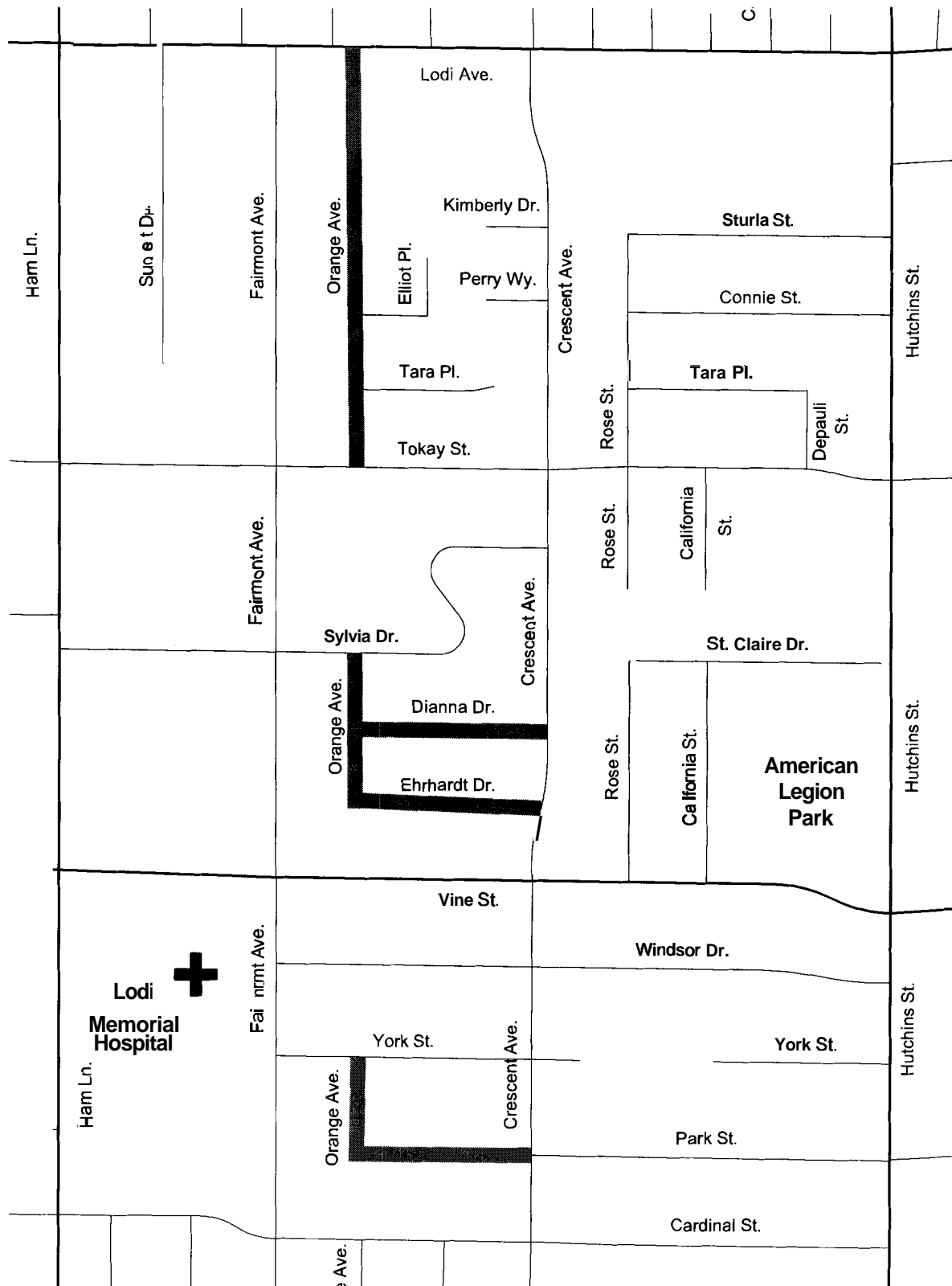




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CHIP SEAL AREA 2 ORANGE - DIANNA PARK - EHRHARDT

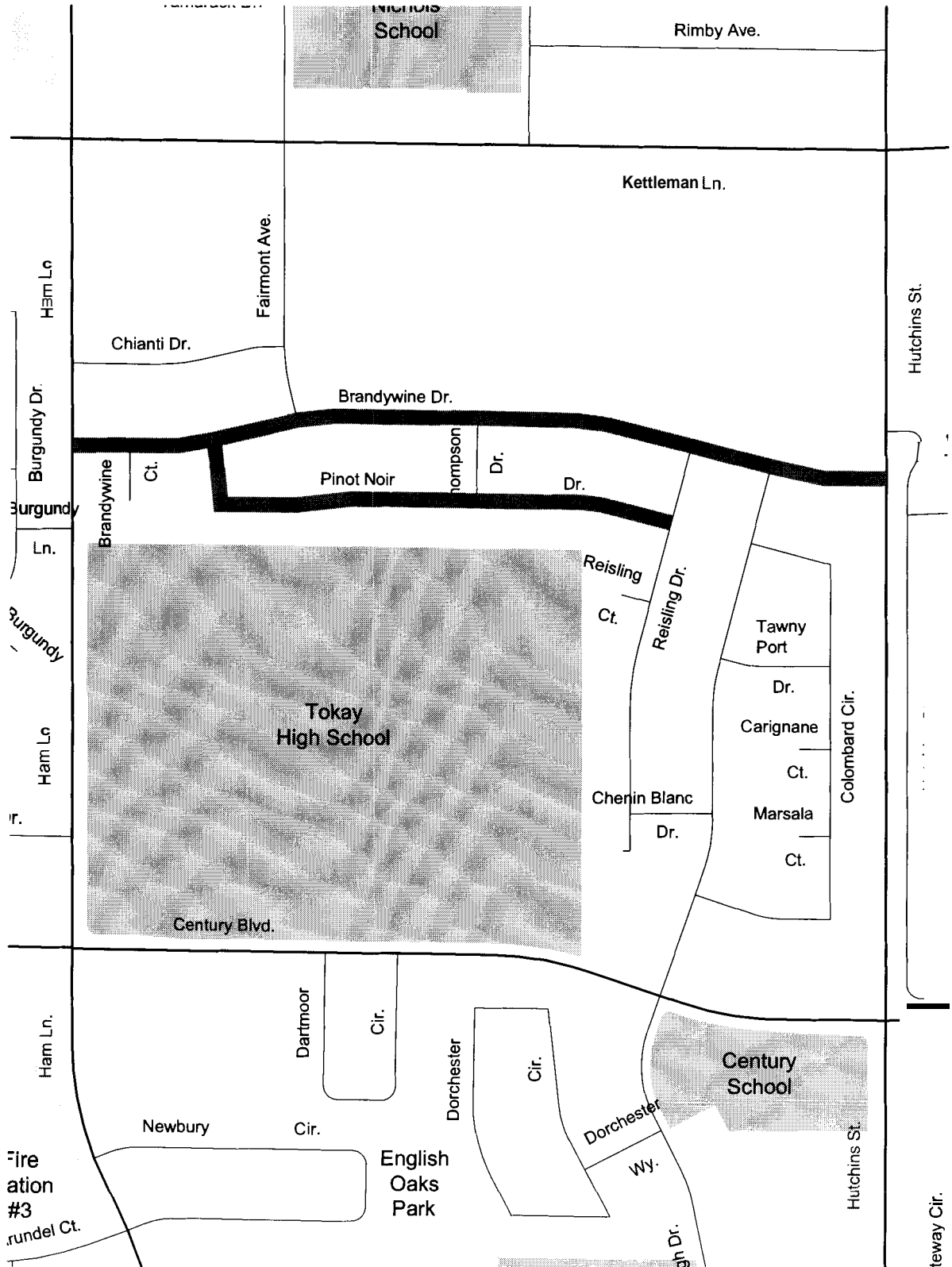




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CHIP SEAL AREA 3 BRANDYWINE PINOT NOIR

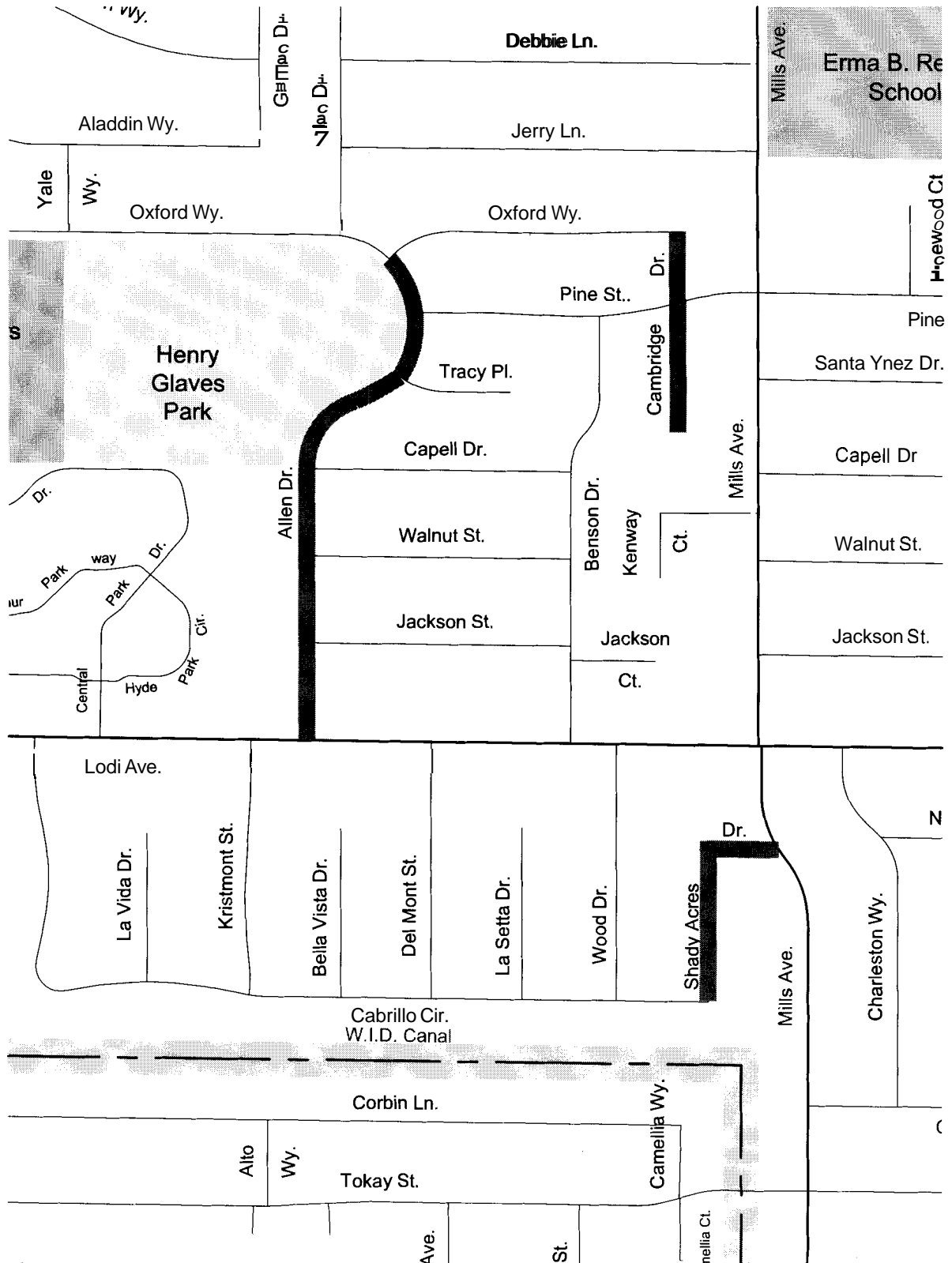




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CHIP SEAL AREA 4 ALLEN - CAMBRIDGE SHADY ACRES

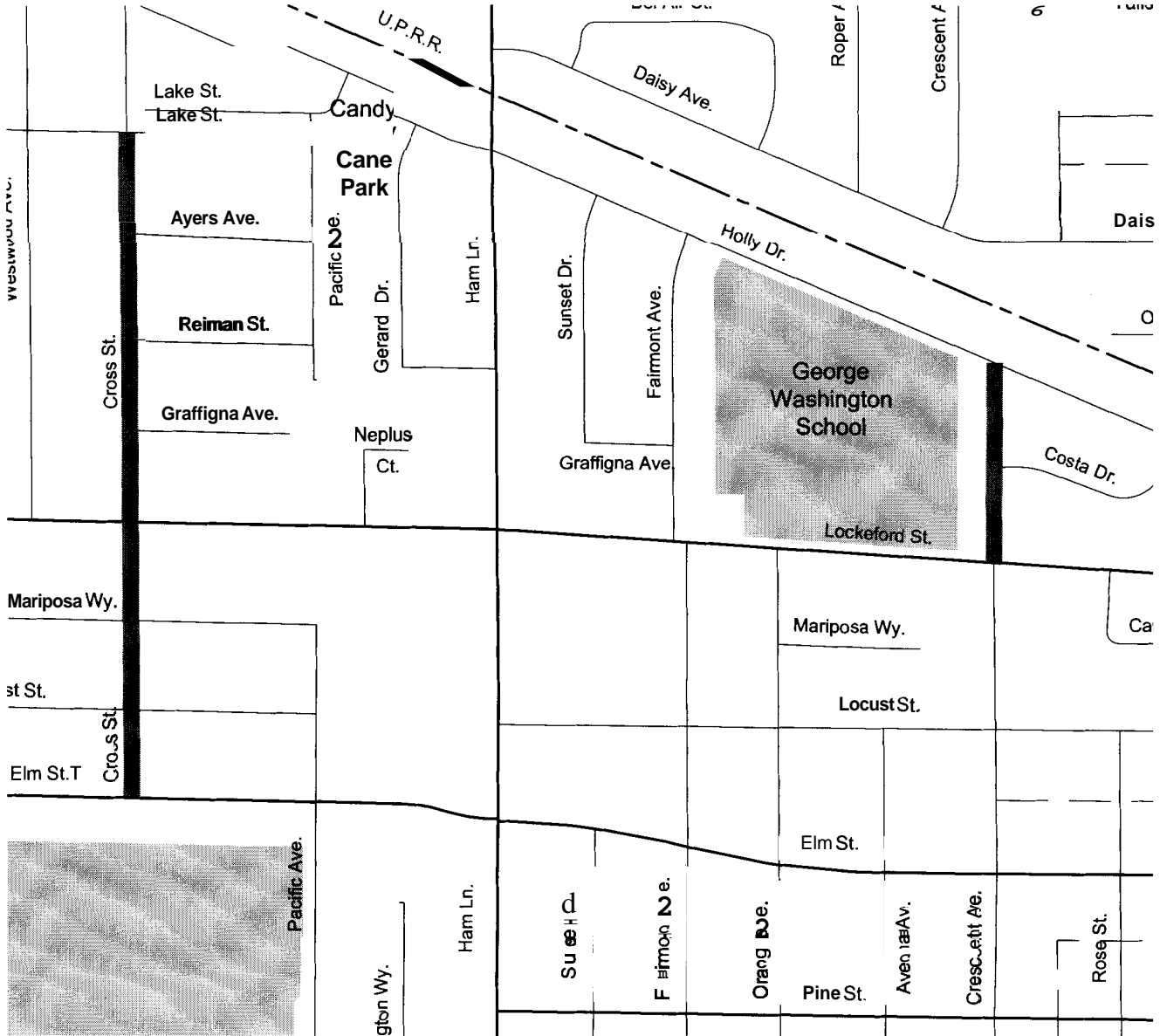




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CHIP SEAL AREA 5 CROSS CRESCENT





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CHIP SEAL AREA 6 TIOGA TAHOE

